Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.
BRUHAT BANGALORE MAHANAGARA PALIKE									
NAME OF WORK: Improvements to roads and drains at AK Colony and surrounding areas in Ward No. 01 of Yelahanka Sub division									
Measurements Taken On :									
MEASUREMENT SHEET - 1st and FINAL BILL									
Item No. 01		**Removing and refixing stone slabs of drains and pointing in CM (1:3) and as per the directions of the Engineer-in-charge of the work .**							
		Cross Road							
		LHS							
8	13		Sqm	1	5.00	0.75		3.75	
22	28		Sqm	1	6.00	0.75		4.50	
45	49		Sqm	1	4.00	0.75		3.00	
76	83		Sqm	1	7.00	0.75		5.25	
94	99		Sqm	1	5.00	0.75		3.75	
105	113		Sqm	1	8.00	0.75		6.00	
133	141.2		Sqm	1	8.20	0.75		6.15	
148	152		Sqm	1	4.00	0.75		3.00	
154	159		Sqm	1	5.00	0.75		3.75	
158	172		Sqm	1	14.00	0.75		10.50	
173	184		Sqm	1	11.00	0.75		8.25	
190	193		Sqm	1	3.00	0.75		2.25	
194	214		Sqm	1	20.00	0.75		15.00	
216	232		Sqm	1	16.00	0.75		12.00	
		RHS							
2	9		Sqm	1	7.00	0.75		5.25	
33	42		Sqm	1	9.00	0.75		6.75	
52	69		Sqm	1	17.00	0.75		12.75	
78	80		Sqm	1	2.00	0.75		1.50	
92	99		Sqm	1	7.00	0.75		5.25	
105	109		Sqm	1	4.00	0.75		3.00	
109	114.1		Sqm	1	5.10	0.75		3.83	
116	125		Sqm	1	9.00	0.75		6.75	
129	139		Sqm	1	10.00	0.75		7.50	
145	149.3		Sqm	1	4.30	0.75		3.23	
153	159		Sqm	1	6.00	0.75		4.50	
		Cross Road							
2	8		Sqm	1	6.00	0.90		5.40	
33	42		Sqm	1	9.00	0.90		8.10	
52	69		Sqm	1	17.00	0.90		15.30	
78	80		Sqm	1	2.00	0.90		1.80	
92	99		Sqm	1	7.00	0.90		6.30	
105	109		Sqm	1	4.00	0.90		3.60	
109	114.1		Sqm	1	5.10	0.90		4.59	
116	125		Sqm	1	9.00	0.90		8.10	

Contactor

CIVIL Pro Sig Date PMC

Assistant Engineer

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
129	139		Sqm	1	10.00	0.90		9.00	
145	149.3		Sqm	1	4.30	0.90		3.87	
153	159		Sqm	1	6.00	0.90		5.40	
		Cross Road							
8	13		Sqm	1	5.00	0.90		4.50	
22	28		Sqm	1	6.00	0.90		5.40	
45	49		Sqm	1	4.00	0.90		3.60	
76	83		Sqm	1	7.00	0.90		6.30	
94	99		Sqm	1	5.00	0.90		4.50	
105	113		Sqm	1	8.00	0.90		7.20	
133	141.2		Sqm	1	8.20	0.90		7.38	
148	152		Sqm	1	4.00	0.90		3.60	
154	159		Sqm	1	5.00	0.90		4.50	
158	172		Sqm	1	14.00	0.90		12.60	
173	184		Sqm	1	11.00	0.90		9.90	
190	193		Sqm	1	3.00	0.90		2.70	
194	214		Sqm	1	20.00	0.90		18.00	
216	222		Sqm	1	6.00	0.90		5.40	
		Cross Road							
3	8		Sqm	1	5.00	0.90		4.50	
33	42		Sqm	1	9.00	0.90		8.10	
52	57		Sqm	1	5.00	0.90		4.50	
							TOTAL	**331.59**	

Contactor

CIVIL Pro Sig Date PMC BANGALORE

Assistant Engineer

A.E.E

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Item No. 02		Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. and as per the directions of the Engineer-in-charge of the work .							
		New Drain							
		Lake View							
		Suresh House							
0	19.5		Cum	1	19.50	1.20	1.00	23.40	
19.5	49.5		Cum	1	30.00	1.20	1.00	36.00	
49.5	79.5		Cum	1	30.00	1.20	1.00	36.00	
79.5	80.7		Cum	1	1.20	1.20	1.00	1.44	
80.7	93.7		Cum	1	13.00	1.20	1.00	15.60	
93.7	123.7		Cum	1	30.00	1.20	1.00	36.00	
123.7	142		Cum	1	18.30	1.20	1.00	21.96	
142	154.1		Cum	1	12.10	1.20	1.00	14.52	
		Cross Road							
0	30		Cum	1	30.00	1.20	1.00	36.00	
30	60		Cum	1	30.00	1.20	1.00	36.00	
60	61.2		Cum	1	1.20	1.20	1.00	1.44	
61.2	91.2		Cum	1	30.00	1.20	1.00	36.00	
91.2	97.2		Cum	1	6.00	1.20	1.00	7.20	
97.2	110.4		Cum	1	13.20	1.20	1.00	15.84	
		Rajanna house							
		Approch							
0	3		Cum	1	3.00	1.20	1.00	3.60	
3	23		Cum	1	20.00	1.20	1.00	24.00	
23	37.4		Cum	1	14.40	1.20	1.00	17.28	
37.4	49.5		Cum	1	12.10	1.20	1.00	14.52	
		After 5th Cross							
0	24.5		Cum	1	24.50	1.20	1.00	29.40	
		After 6th Cross							
0	30		Cum	1	30.00	1.20	1.00	36.00	
30	31.5		Cum	1	1.50	1.20	1.00	1.80	
		Desilt							
		AK Colony							
		Gangamma Temple Road							
0	30		Cum	1	30.00	0.45	0.30	4.05	
30	41		Cum	1	11.00	0.45	0.30	1.49	
41	65		Cum	1	24.00	0.45	0.30	3.24	
		Kadiramma Temple							
0	19		Cum	1	19.00	0.45	0.30	2.57	
		Venkatappa House							
0	20.4		Cum	1	20.40	0.45	0.30	2.75	
		Rathanmma House							

Contactor

Contractor

CIVIL Pro Sig Date PMC BANGALORE

PMC

Assistant Engineer

A.E.E

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
0	24		Cum	1	24.00	0.45	0.30	3.24	
		Appayya House to							
0	18		Cum	1	18.00	0.45	0.30	2.43	
		Tank To New Cc Road							
0	23		Cum	1	23.00	0.45	0.30	3.11	
		Railway Station Road							
0	30		Cum	1	30.00	0.45	0.30	4.05	
30	60		Cum	1	30.00	0.45	0.30	4.05	
60	78.6		Cum	1	18.60	0.45	0.30	2.51	
0	14.5		Cum	1	14.50	0.48	0.30	1.96	
		Culvert	Cum	1	7.10	0.90	0.30	1.92	
		Cross Road							
		LHS							
8	13		Cum	1	5.00	0.45	0.30	0.68	
22	28		Cum	1	6.00	0.45	0.30	0.81	
45	49		Cum	1	4.00	0.45	0.30	0.54	
76	83		Cum	1	7.00	0.45	0.30	0.95	
94	99		Cum	1	5.00	0.45	0.30	0.68	
105	113		Cum	1	8.00	0.45	0.30	1.08	
133	141.2		Cum	1	8.20	0.45	0.30	1.11	
148	152		Cum	1	4.00	0.45	0.30	0.54	
154	159		Cum	1	5.00	0.45	0.30	0.68	
158	172		Cum	1	14.00	0.45	0.30	1.89	
173	184		Cum	1	11.00	0.45	0.30	1.49	
190	193		Cum	1	3.00	0.45	0.30	0.41	
194	214		Cum	1	20.00	0.45	0.30	2.70	
216	232		Cum	1	16.00	0.45	0.30	2.16	
		RHS							
2	9		Cum	1	7.00	0.45	0.30	0.95	
33	42		Cum	1	9.00	0.45	0.30	1.22	
52	69		Cum	1	17.00	0.45	0.30	2.30	
78	80		Cum	1	2.00	0.45	0.30	0.27	
92	99		Cum	1	7.00	0.45	0.30	0.95	
105	109		Cum	1	4.00	0.45	0.30	0.54	
109	114.1		Cum	1	5.10	0.45	0.30	0.69	
116	125		Cum	1	9.00	0.45	0.30	1.22	
129	139		Cum	1	10.00	0.45	0.30	1.35	
145	149.3		Cum	1	4.30	0.45	0.30	0.58	
153	159		Cum	1	6.00	0.45	0.30	0.81	
		Cross Road							
2	8		Cum	1	6.00	0.45	0.30	0.81	
33	42		Cum	1	9.00	0.45	0.30	1.22	
52	69		Cum	1	17.00	0.45	0.30	2.30	
78	80		Cum	1	2.00	0.45	0.30	0.27	
92	99		Cum	1	7.00	0.45	0.30	0.95	

CIVIL Pro Sig Date PMC BANGALORE

Contactor

Contractor

PMC

Assistant Engineer

Assistant Engineer

A.E.E

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
105	109		Cum	1	4.00	0.45	0.30	0.54	
109	114.1		Cum	1	5.10	0.45	0.30	0.69	
116	125		Cum	1	9.00	0.45	0.30	1.22	
129	139		Cum	1	10.00	0.45	0.30	1.35	
145	149.3		Cum	1	4.30	0.45	0.30	0.58	
153	159		Cum	1	6.00	0.45	0.30	0.81	
		Cross Road							
8	13		Cum	1	5.00	0.60	0.30	0.90	
22	28		Cum	1	6.00	0.60	0.30	1.08	
45	49		Cum	1	4.00	0.60	0.30	0.72	
76	83		Cum	1	7.00	0.60	0.30	1.26	
94	99		Cum	1	5.00	0.60	0.30	0.90	
105	113		Cum	1	8.00	0.60	0.30	1.44	
133	141.2		Cum	1	8.20	0.60	0.30	1.48	
148	152		Cum	1	4.00	0.60	0.30	0.72	
154	159		Cum	1	5.00	0.60	0.30	0.90	
158	172		Cum	1	14.00	0.60	0.30	2.52	
173	184		Cum	1	11.00	0.60	0.30	1.98	
190	193		Cum	1	3.00	0.60	0.30	0.54	
194	214		Cum	1	20.00	0.60	0.30	3.60	
216	222		Cum	1	6.00	0.60	0.30	1.08	
		Cross Road							
3	8		Cum	1	5.00	0.60	0.30	0.90	
33	42		Cum	1	9.00	0.60	0.30	1.62	
52	57		Cum	1	5.00	0.60	0.30	0.90	
		Cross Road							
0	15		Cum	1	15.00	1.00	0.90	13.50	
15	30		Cum	1	15.00	1.00	0.90	13.50	
30	45		Cum	1	15.00	1.00	0.90	13.50	
45	60		Cum	1	15.00	1.00	0.90	13.50	
60	75		Cum	1	15.00	1.00	0.90	13.50	
75	90		Cum	1	15.00	1.00	0.90	13.50	
90	105		Cum	1	15.00	1.00	0.90	13.50	
105	120		Cum	1	15.00	1.00	0.90	13.50	
							TOTAL	649.15	
							Quantity Limitd To	609.80	

CIVIL Pro Sq Date PMC BANGALORE

Contactor

Assistant Engineer

Assistant Executive Engineer

Contractor PMC Assistant Engineer Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Item No. 03		Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. and as per the directions of the Engineer-in-charge of the work .							
		New Drain							
		Lake View							
		Suresh House							
0	19.5		Cum	1	19.50	1.20	0.15	3.51	
19.5	49.5		Cum	1	30.00	1.20	0.15	5.40	
49.5	79.5		Cum	1	30.00	1.20	0.15	5.40	
79.5	80.7		Cum	1	1.20	1.20	0.15	0.22	
80.7	93.7		Cum	1	13.00	1.20	0.15	2.34	
93.7	123.7		Cum	1	30.00	1.20	0.15	5.40	
123.7	142		Cum	1	18.30	1.20	0.15	3.29	
142	154.1		Cum	1	12.10	1.20	0.15	2.18	
		Cross Road							
0	30		Cum	1	30.00	1.20	0.15	5.40	
30	60		Cum	1	30.00	1.20	0.15	5.40	
60	61.2		Cum	1	1.20	1.20	0.15	0.22	
61.2	91.2		Cum	1	30.00	1.20	0.15	5.40	
91.2	97.2		Cum	1	6.00	1.20	0.15	1.08	
97.2	110.4		Cum	1	13.20	1.20	0.15	2.38	
		Rajanna house							
		Approch							
0	3		Cum	1	3.00	1.20	0.15	0.54	
3	23		Cum	1	20.00	1.20	0.15	3.60	
23	37.4		Cum	1	14.40	1.20	0.15	2.59	
37.4	49.5		Cum	1	12.10	1.20	0.15	2.18	
		After 5th Cross							
0	24.5		Cum	1	24.50	1.20	0.15	4.41	
		After 6th Cross							
0	30		Cum	1	30.00	1.20	0.15	5.40	
30	31.5		Cum	1	1.50	1.20	0.15	0.27	
		Cross Road							
0	15		Cum	1	15.00	1.00	0.15	2.25	
15	30		Cum	1	15.00	1.00	0.15	2.25	
30	45		Cum	1	15.00	1.00	0.15	2.25	
45	60		Cum	1	15.00	1.00	0.15	2.25	
60	75		Cum	1	15.00	1.00	0.15	2.25	
75	90		Cum	1	15.00	1.00	0.15	2.25	
90	105		Cum	1	15.00	1.00	0.15	2.25	
105	120		Cum	1	15.00	1.00	0.15	2.25	
		For Kerb							
		Lake View							

CIVIL Sign Date PMC BANGALORE

Contactor

Assistant Engineer

A.E.E

Assistant Executive Engineer

Contractor

PMC

Assistant Engineer

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
		Suresh House							
0	19.5		Cum	1	19.50	0.20	0.10	0.39	
19.5	49.5		Cum	1	30.00	0.20	0.10	0.60	
49.5	79.5		Cum	1	30.00	0.20	0.10	0.60	
79.5	80.7		Cum	1	1.20	0.20	0.10	0.02	
80.7	93.7		Cum	1	13.00	0.20	0.10	0.26	
93.7	123.7		Cum	1	30.00	0.20	0.10	0.60	
142	154.1	123.7 to 142 No kerb	Cum	1	12.10	0.20	0.10	0.24	
		Cross Road							
0	30		Cum	1	30.00	0.20	0.10	0.60	
30	60		Cum	1	30.00	0.20	0.10	0.60	
60	61.2		Cum	1	1.20	0.20	0.10	0.02	
61.2	91.2		Cum	1	30.00	0.20	0.10	0.60	
91.2	97.2		Cum	1	6.00	0.20	0.10	0.12	
97.2	110.4		Cum	1	13.20	0.20	0.10	0.26	
		Rajanna house							
		Approch							
3	23	0 to 3 No Kerb	Cum	1	20.00	0.20	0.10	0.40	
23	37.4		Cum	1	14.40	0.20	0.10	0.29	
37.4	49.5		Cum	1	12.10	0.20	0.10	0.24	
		After 5th Cross							
0	24.5		Cum	1	24.50	0.20	0.10	0.49	
		After 6th Cross							
0	30		Cum	1	30.00	0.20	0.10	0.60	
30	31.5		Cum	1	1.50	0.20	0.10	0.03	
		For Road							
		Kadiramma Temple							
0	3.2		Cum	1	3.20	3.10	0.15	1.49	
3.2	7.6		Cum	1	4.40	1.90	0.15	1.25	
7.6	15.8		Cum	1	8.20	1.05	0.15	1.29	
15.8	18.5	Below Staircase	Cum	1	2.70	1.40	0.15	0.57	
		Venkatapp House							
			Cum	1	0.5*1.5*3.4		0.15	0.38	
			Cum	1	0.5*3.1*6.3		0.15	1.46	
		Mestri House							
			Cum	1	3.70	0.75	0.15	0.42	
			Cum	1	8.80	2.03	0.15	2.68	
		Temple RHS	Cum	1	1.80	4.50	0.15	1.22	
			Cum	1	3.60	6.60	0.15	3.56	
			Cum	1	6.50	5.85	0.15	5.70	
		Temle To toilet	Cum	1	2.00	9.00	0.15	2.70	
			Cum	1	1.30	2.35	0.15	0.46	
		Behind Nagar Kallu	Cum	1	3.60	5.10	0.15	2.75	
		Parallel To katte	Cum	1	7.60	2.20	0.15	2.51	
		Nagarkatte	Cum	1	14.00	3.73	0.15	7.84	

CIVIL Pro Sig Date PMC BANGALORE

Contactor

Contractor

PMC

Assistant Engineer

Assistant Engineer

A.E.E

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
		Tank							
		LHS Temple Radha	Cum	1	3.40	5.10	0.15	2.60	
			Cum	1	7.80	2.35	0.15	2.75	
			Cum	1	4.30	4.20	0.15	2.71	
			Cum	1	4.30	4.20	0.15	2.71	
		Infront Of Temple	Cum	1	1.20	3.60	0.15	0.65	
		Infront Of Anganwadi	Cum	1	7.20	7.95	0.15	8.59	
		Katte	Cum	1	0.5*6*8		0.15	3.60	
			Cum	1	8.80	8.60	0.15	11.35	
			Cum	1	11.50	6.13	0.15	10.58	
			Cum	1	9.40	5.03	0.15	7.10	
		Railway Station Road							
			Cum	1	16.00	5.90	0.15	14.16	
			Cum	1	21.00	5.33	0.15	16.80	
			Cum	1	19.00	4.27	0.15	12.16	
		Laksmi Devi House	Cum	1	15.00	4.00	0.15	9.00	
			Cum	1	16.00	4.25	0.15	10.20	
			Cum	1	17.30	4.80	0.15	12.46	
		From Tank To Gangamma temple							
		Lakkappa house	Cum	1	3.00	5.60	0.15	2.52	
			Cum	1	8.20	3.95	0.15	4.86	
			Cum	1	8.00	3.95	0.15	4.74	
			Cum	1	5.50	2.50	0.15	2.06	
			Cum	1	1.90	1.90	0.15	0.54	
			Cum	1	2.20	0.90	0.15	0.30	
			Cum	1	10.60	2.00	0.15	3.18	
			Cum	1	3.00	1.95	0.15	0.88	
			Cum	1	10.50	2.60	0.15	4.10	
			Cum	1	3.00	3.70	0.15	1.67	
			Cum	1	3.20	3.85	0.15	1.85	
			Cum	1	10.00	3.45	0.15	5.18	
		Cross Road							
0	15		Cum	1	15.00	4.00	0.15	9.00	
15	30		Cum	1	15.00	4.20	0.15	9.45	
30	45		Cum	1	15.00	3.95	0.15	8.89	
45	60		Cum	1	15.00	3.00	0.15	6.75	
60	75		Cum	1	15.00	3.20	0.15	7.20	
75	90		Cum	1	15.00	4.10	0.15	9.23	
90	105		Cum	1	15.00	3.90	0.15	8.78	
105	112		Cum	1	7.00	4.50	0.15	4.73	
							TOTAL	351.15	
							Quantity Limited To	339.95	

CIVIL Pro Sig Date PMC BANGALORE

Contactor

Contractor

PMC

Assistant Engineer

Assistant Engineer

A.E.E

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Item no.04		**Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well competed for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification and as per the directions of the Engineer-in-charge of the work.**							
		Bottom Raft							
		Lake View							
		Suresh House							
0	19.5		Cum	1	19.50	1.10	0.15	3.22	
19.5	49.5		Cum	1	30.00	1.10	0.15	4.95	
49.5	79.5		Cum	1	30.00	1.10	0.15	4.95	
79.5	80.7		Cum	1	1.20	1.10	0.15	0.20	
80.7	93.7		Cum	1	13.00	1.10	0.15	2.15	
93.7	123.7		Cum	1	30.00	1.10	0.15	4.95	
123.7	142		Cum	1	18.30	1.10	0.15	3.02	
142	154.1		Cum	1	12.10	1.10	0.15	2.00	
		Cross Road							
0	30		Cum	1	30.00	1.10	0.15	4.95	
30	60		Cum	1	30.00	1.10	0.15	4.95	
60	61.2		Cum	1	1.20	1.10	0.15	0.20	
61.2	91.2		Cum	1	30.00	1.10	0.15	4.95	
91.2	97.2		Cum	1	6.00	1.10	0.15	0.99	
97.2	110.4		Cum	1	13.20	1.10	0.15	2.18	
		Approch							
0	3		Cum	1	3.00	1.10	0.15	0.50	
3	23		Cum	1	20.00	1.10	0.15	3.30	
23	37.4		Cum	1	14.40	1.10	0.15	2.38	
37.4	49.5		Cum	1	12.10	1.10	0.15	2.00	
		After 5th Cross							
0	24.5		Cum	1	24.50	1.10	0.15	4.04	
		After 6th Cross							
0	30		Cum	1	30.00	1.10	0.15	4.95	
30	31.5		Cum	1	1.50	1.10	0.15	0.25	
		Cross Road							
0	15		Cum	1	15.00	1.10	0.15	2.48	
15	30		Cum	1	15.00	1.10	0.15	2.48	
30	45		Cum	1	15.00	1.10	0.15	2.48	
45	60		Cum	1	15.00	1.10	0.15	2.48	
60	75		Cum	1	15.00	1.10	0.15	2.48	
75	90		Cum	1	15.00	1.10	0.15	2.48	
90	105		Cum	1	15.00	1.10	0.15	2.48	
105	120		Cum	1	15.00	1.10	0.15	2.48	

Contactor

Contractor

CIVIL Pro Sig Date PMC BANGALORE

PMC

Assistant Engineer

A.E.E

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
		Side Wall							
0	19.5		Cum	2	19.50	0.15	0.50	2.93	
19.5	49.5		Cum	2	30.00	0.15	0.50	4.50	
49.5	79.5		Cum	2	30.00	0.15	0.60	5.40	
79.5	80.7		Cum	2	1.20	0.15	0.60	0.22	
80.7	93.7		Cum	2	13.00	0.15	0.60	2.34	
93.7	123.7		Cum	2	30.00	0.15	0.60	5.40	
123.7	142		Cum	2	18.30	0.15	0.60	3.29	
142	154.1		Cum	2	12.10	0.15	0.60	2.18	
		Cross Road							
0	30		Cum	2	30.00	0.15	0.60	5.40	
30	60		Cum	2	30.00	0.15	0.60	5.40	
60	61.2		Cum	2	1.20	0.15	0.60	0.22	
61.2	91.2		Cum	2	30.00	0.15	0.60	5.40	
91.2	97.2		Cum	2	6.00	0.15	0.60	1.08	
97.2	110.4		Cum	2	13.20	0.15	0.60	2.38	
		Rajanna house							
		Approch							
0	3		Cum	2	3.00	0.15	0.60	0.54	
3	23		Cum	2	20.00	0.15	0.60	3.60	
23	37.4		Cum	2	14.40	0.15	0.60	2.59	
37.4	49.5		Cum	2	12.10	0.15	0.60	2.18	
		After 5th Cross							
0	24.5		Cum	2	24.50	0.15	0.55	4.04	
		After 6th Cross							
0	30		Cum	2	30.00	0.15	0.60	5.40	
30	31.5		Cum	2	1.50	0.15	0.60	0.27	
		Cross Road							
0	15		Cum	2	15.00	0.15	0.60	2.70	
15	30		Cum	2	15.00	0.15	0.60	2.70	
30	45		Cum	2	15.00	0.15	0.60	2.70	
45	60		Cum	2	15.00	0.15	0.60	2.70	
60	75		Cum	2	15.00	0.15	0.60	2.70	
75	90		Cum	2	15.00	0.15	0.60	2.70	
90	105		Cum	2	15.00	0.15	0.60	2.70	
105	120		Cum	2	15.00	0.15	0.60	2.70	
		Ak Colony							
		Gangamma Temple Road							
0	30		Cum	2	30.00	0.15	0.15	1.35	
30	41		Cum	2	11.00	0.15	0.15	0.50	
41	65		Cum	2	24.00	0.15	0.15	1.08	
		Kadiramma Temple							
0	19		Cum	2	19.00	0.15	0.15	0.86	
		Venkatappa House							
0	20.4		Cum	2	20.40	0.15	0.15	0.92	
		Rathanmma House							

CIVIL Pro Sig Date PMC BANGALORE

Contactor

Contractor

PMC

Assistant Engineer

Assistant Engineer

A.E.E

Assistant Executive Engineer

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
0	24		Cum	2	24.00	0.15	0.15	1.08	
		Appayya House to							
0	18		Cum	2	18.00	0.15	0.15	0.81	
		Tank To New Cc Road							
0	23		Cum	2	23.00	0.15	0.15	1.04	
		Railway Station Road							
0	30		Cum	2	30.00	0.15	0.15	1.35	
30	60		Cum	2	30.00	0.15	0.15	1.35	
60	78.6		Cum	2	18.60	0.15	0.15	0.84	
0	14.5		Cum	2	14.50	0.15	0.15	0.65	
		Culvert	Cum	2	7.10	0.15	0.15	0.32	
							TOTAL	179.33	
							Quantity Limited To	178.16	

Contactor

Contractor

CIVIL Pro PMC BANGALORE

PMC

Assistant Engineer

Assistant Engineer

A.E.E

Assistant Executive Engineer

Assistant Executive Engineer

Measurements Taken On :

MEASUREMENT SHEET - 1ST & Final Bill

STEEL CALCULATION

Sl NO	Description	Nos	BAR DIA mm	No. Bars	Total No. bars	Length m	Total Length m	Weight kg/m	Total weight Kg's
Item no.05	Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and as per the directions of the Engineer-in-charge of the work .								
	Lake View								
	Suresh House								
	Main Bars (#12@100 c/c)	1	12	1550	1550	2.60	4030.00	0.887814	3577.89
	Distribution(18-#10)	1	10	18	18	154.10	2773.80	0.616538	1710.15
	Cross Road								
	Main Bars (#12@100 c/c)	1	12	1120	1120	2.60	2912.00	0.887814	2585.31
	Distribution(18-#10)	1	10	18	18	110.40	1987.20	0.616538	1225.18
	Approch								
	Main Bars (#12@100 c/c)	1	12	513	513	2.60	1333.80	0.887814	1184.17
	Distribution(18-#10)	1	10	18	18	49.50	891.00	0.616538	549.33
	After 5th Cross								
	Main Bars (#12@100 c/c)	1	12	260	260	2.50	650.00	0.887814	577.08
	Distribution(18-#10)	1	10	18	18	24.50	441.00	0.616538	271.89
	After 6th Cross								
	Main Bars (#12@100 c/c)	1	12	330	330	2.60	858.00	0.887814	761.74
	Distribution(18-#10)	1	10	18	18	31.50	567.00	0.616538	349.58
	Cross Road								
	Main Bars (#12@100 c/c)	1	12	1230	1230	2.60	3198.00	0.887814	2839.23
	Distribution(18-#12)	1	10	18	18	120.00	2160.00	0.616538	1331.72
								TOTAL QTY IN KG'S	11675.24
								TOTAL QTY IN TONNE	11.68

Contractor PMC Assistant Engineer Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Item no.06		Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)							
		Lake View							
		Suresh House							
0	19.5		Sqm	1	19.50	0.90		17.55	
19.5	49.5		Sqm	1	30.00	0.75		22.50	
49.5	79.5		Sqm	1	30.00	0.90		27.00	
79.5	80.7		Sqm	1	1.20	0.90		1.08	
80.7	93.7		Sqm	1	13.00	0.75		9.75	
93.7	123.7		Sqm	1	30.00	0.90		27.00	
123.7	142		Sqm	1	18.30	0.90		16.47	
142	154.1		Sqm	1	12.10	0.75		9.08	
		Cross Road							
0	30		Sqm	1	30.00	0.75		22.50	
30	60		Sqm	1	30.00	0.75		22.50	
60	61.2		Sqm	1	1.20	0.75		0.90	
61.2	91.2		Sqm	1	30.00	0.90		27.00	
91.2	97.2		Sqm	1	6.00	0.90		5.40	
97.2	110.4		Sqm	1	13.20	0.90		11.88	
		Approch							
0	3		Sqm	1	3.00	0.90		2.70	
3	23		Sqm	1	20.00	0.75		15.00	
23	37.4		Sqm	1	14.40	0.75		10.80	
37.4	49.5		Sqm	1	12.10	0.75		9.08	
		After 5th Cross							
0	24.5		Sqm	1	24.50	0.90		22.05	
		After 6th Cross							
0	30		Sqm	1	30.00	0.75		22.50	
30	31.5		Sqm	1	1.50	0.75		1.13	
		Cross Road							
0	15		Sqm	1	15.00	0.90		13.50	
15	30		Sqm	1	15.00	0.90		13.50	
30	45		Sqm	1	15.00	0.90		13.50	
45	60		Sqm	1	15.00	0.90		13.50	
60	75		Sqm	1	15.00	0.90		13.50	
75	90		Sqm	1	15.00	0.90		13.50	
90	105		Sqm	1	15.00	0.90		13.50	
105	120								
		AK Colony							
		Gangamma Temple Road							
0	30		Sqm	1	30.00	0.90		27.00	

CIVIL Pro Sig Date PMC BANGALORE

Contactor

Assistant Engineer

A.E.E

Assistant Executive Engineer

Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
30	41		Sqm	1	11.00	0.90		9.90	
41	65		Sqm	1	24.00	0.90		21.60	
		Kadiramma Temple							
0	19		Sqm	1	19.00	0.90		17.10	
		Venkatappa House							
0	20.4		Sqm	1	20.40	0.90		18.36	
		Rathanmma House							
0	24		Sqm	1	24.00	0.90		21.60	
		Appayya House to							
0	18		Sqm	1	18.00	0.90		16.20	
		Tank To New Cc Road							
0	23		Sqm	1	23.00	0.90		20.70	
		Railway Station Road							
0	30		Sqm	1	30.00	0.90		27.00	
30	60		Sqm	1	30.00	0.90		27.00	
60	78.6		Sqm	1	18.60	0.90		16.74	
0	14.5		Sqm	1	14.50	0.90		13.05	
							TOTAL	648.11	
							Quantity Limited To	627.30	

22/01/22

CIVIL Pro Sq Date PMC BANGALORE

Contactor

Contractor

Assistant Engineer

Assistant Engineer

A.E.E

Assistant Executive Engineer

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Item no.07		**Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc.,complete. As per the direction of Engineer incharge**							
		Lake View							
		Suresh House							
0	19.5		Nos	1	19.50		/0.45	43.33	
19.5	49.5		Nos	1	30.00		/0.45	66.67	
49.5	79.5		Nos	1	30.00		/0.45	66.67	
79.5	80.7		Nos	1	1.20		/0.45	2.67	
80.7	93.7		Nos	1	13.00		/0.45	28.89	
93.7	123.7		Nos	1	30.00		/0.45	66.67	
142	154.1	123.7 to 142 No kerb	Nos	1	12.10		/0.45	26.89	
		Cross Road							
0	30		Nos	1	30.00		/0.45	66.67	
30	60		Nos	1	30.00		/0.45	66.67	
60	61.2		Nos	1	1.20		/0.45	2.67	
61.2	91.2		Nos	1	30.00		/0.45	66.67	
91.2	97.2		Nos	1	6.00		/0.45	13.33	
97.2	110.4		Nos	1	13.20		/0.45	29.33	
		Approch							
3	23	0 to 3 No Kerb	Nos	1	20.00		/0.45	44.44	
23	37.4		Nos	1	14.40		/0.45	32.00	
37.4	49.5		Nos	1	12.10		/0.45	26.89	
		After 5th Cross							
0	24.5		Nos	1	24.50		/0.45	54.44	
		After 6th Cross							
0	30		Nos	1	30.00		/0.45	66.67	
30	31.5		Nos	1	1.50		/0.45	3.33	
		Cross Road							
0	15		Nos	1	15.00		/0.45	33.33	
15	30		Nos	1	15.00		/0.45	33.33	
30	45		Nos	1	15.00		/0.45	33.33	
45	53.1		Nos	1	8.10		/0.45	18.00	
							TOTAL	893.00	

Contactor

Contractor

PMC

Assistant Engineer

Assistant Engineer

A.E.E

Assistant Executive Engineer

A.E.E

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Item no.08		Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. As per the direction of Engineer incharge							
		Lake View							
		Suresh House							
0	19.5		Sqm	1	19.50	0.40		7.80	
19.5	49.5		Sqm	1	30.00	0.40		12.00	
49.5	79.5		Sqm	1	30.00	0.40		12.00	
79.5	80.7		Sqm	1	1.20	0.40		0.48	
80.7	93.7		Sqm	1	13.00	0.40		5.20	
93.7	123.7		Sqm	1	30.00	0.40		12.00	
142	154.1	123.7 to 142 No kerb	Sqm	1	12.10	0.40		4.84	
		Cross Road							
0	30		Sqm	1	30.00	0.40		12.00	
30	60		Sqm	1	30.00	0.40		12.00	
60	61.2		Sqm	1	1.20	0.40		0.48	
61.2	91.2		Sqm	1	30.00	0.40		12.00	
91.2	97.2		Sqm	1	6.00	0.40		2.40	
97.2	110.4		Sqm	1	13.20	0.40		5.28	
		Approch							
3	23	0 to 3 No Kerb	Sqm	1	20.00	0.40		8.00	
23	37.4		Sqm	1	14.40	0.40		5.76	
37.4	49.5		Sqm	1	12.10	0.40		4.84	
		After 5th Cross							
0	24.5		Sqm	1	24.50	0.40		9.80	
		After 6th Cross							
0	30		Sqm	1	30.00	0.40		12.00	
30	31.5		Sqm	1	1.50	0.40		0.60	
		Cross Road							
0	15		Sqm	1	15.00	0.40		6.00	
15	30		Sqm	1	15.00	0.40		6.00	
30	45		Sqm	1	15.00	0.40		6.00	
45	53.1		Sqm	1	8.10	0.40		3.24	
							TOTAL	160.72	

Contactor

Assistant Engineer

Assistant Executive Engineer

Contactor

Assistant Engineer

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Item no.09		**Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications and As per the direction of Engineer incharge**							
		Kadiramma Temple							
0	3.2		Cum	1	3.20	3.10	0.30	2.98	
3.2	7.6		Cum	1	4.40	1.90	0.30	2.51	
7.6	15.8		Cum	1	8.20	1.05	0.30	2.58	
15.8	18.5	Below Staircase	Cum	1	2.70	1.40	0.30	1.13	
		Venkatapp House							
			Cum	1	0.5*1.5*3.4		0.30	0.77	
			Cum	1	0.5*3.1*6.3		0.30	2.93	
		Mestri House							
			Cum	1	3.70	0.75	0.30	0.83	
			Cum	1	8.80	2.03	0.30	5.37	
		Temple RHS	Cum	1	1.80	4.50	0.30	2.43	
			Cum	1	3.60	6.60	0.30	7.13	
			Cum	1	6.50	5.85	0.30	11.41	
		Temle To toilet	Cum	1	2.00	9.00	0.30	5.40	
			Cum	1	1.30	2.35	0.30	0.92	
		Behind Nagar Kallu	Cum	1	3.60	5.10	0.30	5.51	
		Parallel To katte	Cum	1	7.60	2.20	0.30	5.02	
		Nagarkatte	Cum	1	14.00	3.73	0.30	15.68	
		Tank	Cum	1	3.40	5.10	0.30	5.20	
		LHS Temple Radha	Cum	1	7.80	2.35	0.30	5.50	
			Cum	1	4.30	4.20	0.30	5.42	
			Cum	1	4.30	4.20	0.30	5.42	
		Infront Of Temple	Cum	1	1.20	3.60	0.30	1.30	
		Infront Of Anganwadi	Cum	1	7.20	7.95	0.30	17.17	
		Katte	Cum	1	0.5*6*8		0.30	7.20	
			Cum	1	8.80	8.60	0.30	22.70	
			Cum	1	11.50	6.13	0.30	21.16	
			Cum	1	9.40	5.03	0.30	14.19	
		Railway Station Road							
			Cum	1	16.00	5.90	0.30	28.32	
			Cum	1	21.00	5.33	0.30	33.60	
			Cum	1	19.00	4.27	0.30	24.32	
		Laksmi Devi House	Cum	1	15.00	4.00	0.30	18.00	
			Cum	1	16.00	4.25	0.30	20.40	
			Cum	1	17.30	4.80	0.30	24.91	
		From Tank To Gangamma temple							
		Lakkappa house	Cum	1	3.00	5.60	0.30	5.04	
			Cum	1	8.20	3.95	0.30	9.72	

CIVIL Pro Sig Date PMC BANGALORE

Contactor

Contractor

Assistant Engineer

PMC BANGALORE

Assistant Engineer

A.E.E

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
			Cum	1	8.00	3.95	0.30	9.48	
			Cum	1	5.50	2.50	0.30	4.13	
			Cum	1	1.90	1.90	0.30	1.08	
			Cum	1	2.20	0.90	0.30	0.59	
			Cum	1	10.60	2.00	0.30	6.36	
			Cum	1	3.00	1.95	0.30	1.76	
			Cum	1	10.50	2.60	0.30	8.19	
			Cum	1	3.00	3.70	0.30	3.33	
			Cum	1	3.20	3.85	0.30	3.70	
			Cum	1	10.00	3.45	0.30	10.35	
		Cross Road							
0	15		Cum	1	15.00	4.00	0.30	18.00	
15	30		Cum	1	15.00	4.20	0.30	18.90	
30	45		Cum	1	15.00	3.95	0.30	17.78	
45	60		Cum	1	15.00	3.00	0.30	13.50	
60	75		Cum	1	15.00	3.20	0.30	14.40	
75	90		Cum	1	15.00	4.10	0.30	18.45	
90	105		Cum	1	15.00	3.90	0.30	17.55	
105	112		Cum	1	7.00	4.50	0.30	9.45	
							TOTAL	519.14	
							Quantity Limited To	519.11	

CIVIL Pro Sig Date PMC BANGALORE

Contactor

Contractor

Assistant Engineer

PMC BANGALORE

AssistantEngineer

A.E.E

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Item no.10		Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications and As per the direction of Engineer incharge							
		Kadiramma Temple							
0	3.2		Cum	1	3.20	1.20	0.15	0.58	
3.2	7.6		Cum	1	4.40	1.20	0.15	0.79	
7.6	15.8		Cum	1	8.20	1.20	0.15	1.48	
15.8	18.5	Below Staircase	Cum	1	2.70	1.20	0.15	0.49	
		Venkatapp House							
			Cum	1	0.5*1.5*1.4		0.15	0.16	
			Cum	1	0.5*3.1*1.4		0.15	0.33	
		Mestri House							
			Cum	1	3.70	1.00	0.15	0.56	
			Cum	1	8.80	1.00	0.15	1.32	
		Temple RHS	Cum	1	1.80	1.00	0.15	0.27	
			Cum	1	3.60	1.00	0.15	0.54	
			Cum	1	6.50	1.00	0.15	0.98	
		Temle To toilet	Cum	1	2.00	1.00	0.15	0.30	
			Cum	1	1.30	1.00	0.15	0.20	
		Behind Nagar Kallu	Cum	1	3.60	1.00	0.15	0.54	
		Parallel To katte	Cum	1	7.60	1.00	0.15	1.14	
		Nagarkatte	Cum	1	14.00	1.00	0.15	2.10	
		Tank	Cum	1	3.40	1.10	0.15	0.56	
		LHS Temple Radha	Cum	1	7.80	1.10	0.15	1.29	
			Cum	1	4.30	1.10	0.15	0.71	
			Cum	1	4.30	1.10	0.15	0.71	
		Infront Of Temple	Cum	1	1.20	1.10	0.15	0.20	
		Infront Of Anganwadi	Cum	1	7.20	1.10	0.15	1.19	
		Katte	Cum	1	0.5*6*1.4		0.15	0.63	
			Cum	1	8.80	1.05	0.15	1.39	
			Cum	1	11.50	1.05	0.15	1.81	
			Cum	1	9.40	1.05	0.15	1.48	
		Railway Station Road							
			Cum	1	16.00	1.05	0.15	2.52	
			Cum	1	21.00	1.05	0.15	3.31	
			Cum	1	19.00	1.05	0.15	2.99	
		Laksmi Devi House	Cum	1	15.00	1.05	0.15	2.36	
			Cum	1	16.00	1.05	0.15	2.52	
			Cum	1	17.30	1.05	0.15	2.72	
		From Tank To Gangamma temple							
		Lakkappa house	Cum	1	3.00	1.00	0.15	0.45	

CIVIL Pro Sig Date PMC BANGALORE

Contactor

Contractor

Assistant Engineer

PMC BANGALORE

AssistantEngineer

A.E.E

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
			Cum	1	8.20	1.00	0.15	1.23	
			Cum	1	8.00	1.00	0.15	1.20	
			Cum	1	5.50	1.00	0.15	0.83	
			Cum	1	1.90	1.00	0.15	0.29	
			Cum	1	2.20	1.00	0.15	0.33	
			Cum	1	10.60	1.00	0.15	1.59	
			Cum	1	3.00	1.00	0.15	0.45	
			Cum	1	10.50	1.00	0.15	1.58	
			Cum	1	3.00	1.00	0.15	0.45	
			Cum	1	3.20	1.00	0.15	0.48	
			Cum	1	10.00	1.00	0.15	1.50	
							TOTAL	48.50	

Contactor

Contractor

CIVIL Pro Sig Date PMC BANGALORE

PMC BANGALORE

Assistant Engineer

AssistantEngineer

A.E.E

Assistant Executive Engineer

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
			Cum	1	11.50	6.13	0.15	10.58	
			Cum	1	9.40	5.03	0.15	7.10	
		Railway Station Road							
			Cum	1	16.00	5.90	0.15	14.16	
			Cum	1	21.00	5.33	0.15	16.80	
			Cum	1	19.00	4.27	0.15	12.16	
		Laksmi Devi House	Cum	1	15.00	4.00	0.15	9.00	
			Cum	1	16.00	4.25	0.15	10.20	
			Cum	1	17.30	4.80	0.15	12.46	
		From Tank To Gangamma temple							
		Lakkappa house	Cum	1	3.00	5.60	0.15	2.52	
			Cum	1	8.20	3.95	0.15	4.86	
			Cum	1	8.00	3.95	0.15	4.74	
			Cum	1	5.50	2.50	0.15	2.06	
			Cum	1	1.90	1.90	0.15	0.54	
			Cum	1	2.20	0.90	0.15	0.30	
			Cum	1	10.60	2.00	0.15	3.18	
			Cum	1	3.00	1.95	0.15	0.88	
			Cum	1	10.50	2.60	0.15	4.10	
			Cum	1	3.00	3.70	0.15	1.67	
			Cum	1	3.20	3.85	0.15	1.85	
			Cum	1	10.00	3.45	0.15	5.18	
		Cross Road							
0	15		Cum	1	15.00	4.00	0.15	9.00	
15	30		Cum	1	15.00	4.20	0.15	9.45	
30	45		Cum	1	15.00	3.95	0.15	8.89	
45	60		Cum	1	15.00	3.00	0.15	6.75	
60	75		Cum	1	15.00	3.20	0.15	7.20	
75	90		Cum	1	15.00	4.10	0.15	9.23	
90	105		Cum	1	15.00	3.90	0.15	8.78	
105	112		Cum	1	7.00	4.50	0.15	4.73	
							TOTAL	259.57	
							Quantity Limited To	259.55	

CIVIL Pro Sig Date PMC BANGALORE

Contactor

Assistant Engineer

A.E.E

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Item no.12		Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. with all lead and lift. (As per the direction of Engineer incharge							
		Kadiramma Temple							
0	3.2		Sqm	1	3.20	3.10		9.92	
3.2	7.6		Sqm	1	4.40	1.90		8.36	
7.6	15.8		Sqm	1	8.20	1.05		8.61	
15.8	18.5	Below Staircase	Sqm	1	2.70	1.40		3.78	
		Venkatapp House							
			Sqm	1	0.5*1.5*3.4			2.55	
			Sqm	1	0.5*3.1*6.3			9.77	
		Mestri House							
			Sqm	1	3.70	0.75		2.78	
			Sqm	1	8.80	2.03		17.89	
		Temple RHS	Sqm	1	1.80	4.50		8.10	
			Sqm	1	3.60	6.60		23.76	
			Sqm	1	6.50	5.85		38.03	
		Temle To toilet	Sqm	1	2.00	9.00		18.00	
			Sqm	1	1.30	2.35		3.06	
		Behind Nagar Kallu	Sqm	1	3.60	5.10		18.36	
		Parallel To katte	Sqm	1	7.60	2.20		16.72	
		Nagarkatte	Sqm	1	14.00	3.73		52.27	
		Tank	Sqm	1	3.40	5.10		17.34	
		LHS Temple Radha	Sqm	1	7.80	2.35		18.33	
			Sqm	1	4.30	4.20		18.06	
			Sqm	1	4.30	4.20		18.06	
		Infront Of Temple	Sqm	1	1.20	3.60		4.32	
		Infront Of Anganwadi	Sqm	1	7.20	7.95		57.24	
		Katte	Sqm	1	0.5*6*8			24.00	
			Sqm	1	8.80	8.60		75.68	
			Sqm	1	11.50	6.13		70.53	
			Sqm	1	9.40	5.03		47.31	
		Railway Station Road							
			Sqm	1	16.00	5.90		94.40	
			Sqm	1	21.00	5.33		112.00	
			Sqm	1	19.00	4.27		81.07	
		Laksmi Devi House	Sqm	1	15.00	4.00		60.00	
			Sqm	1	16.00	4.25		68.00	
			Sqm	1	17.30	4.80		83.04	
		From Tank To Gangamma temple							
		Lakkappa house	Sqm	1	3.00	5.60		16.80	
			Sqm	1	8.20	3.95		32.39	
			Sqm	1	8.00	3.95		31.60	

CIVIL WORK Sec Date PMC BANGALORE

Contactor

Assistant Engineer

A.E.E

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
			Sqm	1	5.50	2.50		13.75	
			Sqm	1	1.90	1.90		3.61	
			Sqm	1	2.20	0.90		1.98	
			Sqm	1	10.60	2.00		21.20	
			Sqm	1	3.00	1.95		5.85	
			Cum	1	10.50	2.60		27.30	
			Cum	1	3.00	3.70		11.10	
			Cum	1	3.20	3.85		12.32	
			Cum	1	10.00	3.45		34.50	
		Cross Road							
0	15		Sqm	1	15.00	4.00		60.00	
15	30		Sqm	1	15.00	4.20		63.00	
30	45		Sqm	1	15.00	3.95		59.25	
45	60		Sqm	1	15.00	3.00		45.00	
60	75		Sqm	1	15.00	3.20		48.00	
75	90		Sqm	1	15.00	4.10		61.50	
90	105		Sqm	1	15.00	3.90		58.50	
105	112		Sqm	1	7.00	4.50		31.50	
							TOTAL	1730.47	
							Quantity Limited To	1730.35	

Contactor
Contractor

CIVIL Pro Sig. Date PMC BANGALORE

Assistant Engineer

A.E.E
Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to roads and drains at AK Colony and surrounding areas in Ward No. 01 of Yelahanka Sub division

Measurements Taken On :

ABSTRACT OF MEASUREMENT SHEET - 1st and FINAL BILL

Item No	Description	Unit	Quantity	Approved Tender Rates	Amount	Remarks
Item No. 1	Removing and refixing stone slabs of drains and pointing in CM (1:3) and as per the directions of the Engineer-in-charge of the work ..	Cum	331.59			
	present Qty	Cum	331.59			
	Previous Bill Qty	Cum	-			
	Total	Cum	331.59			
	Tender Qty	Cum	331.88			
	Now to be paid	Cum	331.59	111.30	36905.97	
Item No. 2	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. and as per the directions of the Engineer-in-charge of the work .	Cum	649.15			
	present Qty	Cum	649.15			
	Previous Bill Qty	Cum	-			
	Total	Cum	649.15			
	Tender Qty	Cum	609.80			
	Now to be paid	Cum	649.15			
	Quantity Limited To	Cum	609.80	215.28	131277.74	
Item No. 03	Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. and as per the directions of the Engineer-in-charge of the work .	Cum	351.15			
	present Qty	Cum	351.15			
	Previous Bill Qty	Cum	-			
	Total	Cum	351.15			
	Tender Qty	Cum	339.95			
	Now to be paid	Cum	351.15			
	Quantity Limited to	Cum	339.95	5421.90	1843174.91	
Item No. 04	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification and as per the directions of the Engineer-in-charge of the work .	Cum	179.33			

CIVIL Pro Sig Date PMC BANGALORE

Contractor

AssistantEngineer

Assistant Executive Engineer

A.E.E

Item No	Description	Unit	Quantity	Approved Tender Rates	Amount	Remarks
	present Qty	Cum	179.33			
	Previous Bill Qty	Cum	-			
	Total	Cum	179.33			
	Tender Qty	Cum	178.16			
	Now to be paid	Cum	179.33			
	Quantity Limited To	Cum	178.16	7070.20	1259626.83	
Item No.05	Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.	Tonne	11.68			
	present Qty	Tonne	11.68			
	Previous Bill Qty	Tonne	-			
	Total	Tonne	11.68			
	Tender Qty	Tonne	11.68			
	Now to be paid	Tonne	11.68			
	Quantity Limited To	Tonne	11.68	73992.24	864229.36	
Item No.06	Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	Sqm	648.11			
	present Qty	Sqm	648.11			
	Previous Bill Qty	Sqm	-			
	Total	Sqm	648.11			
	Tender Qty	Sqm	627.30			
	Now to be paid	Sqm	648.11			
	Quantity Limited To	Sqm	627.30	2337.00	1466000.10	
Item No.07	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc.,complete. As per the direction of Engineer incharge	Nos	893.00			
	present Qty	Nos	893.00			
	Previous Bill Qty	Nos	-			
	Total	Nos	893.00			
	Tender Qty	Nos	893.00			
	Now to be paid	Nos	893.00	432.48	386204.64	

CIVIL Pro Sig Date PMC BANGALORE

Contractor

AssistantEngineer

A.E.E

Assistant Executive Engineer

Item No	Description	Unit	Quantity	Approved Tender Rates	Amount	Remarks
Item No.08	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. As per the direction of Engineer incharge	Sqm	160.72			
	present Qty	Sqm	160.72			
	Previous Bill Qty	Sqm	-			
	Total	Sqm	160.72			
	Tender Qty	Sqm	160.80			
	Now to be paid	Sqm	160.72	84.80	13629.06	
Item No.09	Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications and As per the direction of Engineer incharge	Cum	519.14			
	present Qty	Cum	519.14			
	Previous Bill Qty	Cum	-			
	Total	Cum	519.14			
	Tender Qty	Cum	519.11			
	Now to be paid	Cum	519.14			
	Quantity Limited To	Cum	519.11	63.94	33191.89	
Item No.10	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications and As per the direction of Engineer incharge	Cum	48.50			
	present Qty	Cum	48.50			
	Previous Bill Qty	Cum	-			
	Total	Cum	48.50			
	Tender Qty	Cum	48.51			
	Now to be paid	Cum	48.50	1994.92	96755.61	

CIVIL Pro Sig Date PMC BANGALORE

Contractor

AssistantEngineer

A.E.E

Assistant Executive Engineer

Item No	Description	Unit	Quantity	Approved Tender Rates	Amount	Remarks
Item No.11	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour,hire charges of machineries,all lead & lift charges etc., complete as per specifications.. As per the direction of Engineer incharge	Cum	259.57			
	present Qty	Cum	259.57			
	Previous Bill Qty	Cum	-			
	Total	Cum	259.57			
	Tender Qty	Cum	259.55			
	Now to be paid	Cum	259.57			
	Quantity Limited To	Cum	259.55	5210.96	1352504.67	
Item No.12	Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diise etc. with all lead and lift. (As per the direction of Engineer incharge	Sqm	1730.47			
	present Qty	Sqm	1730.47			
	Previous Bill Qty	Sqm	-			
	Total	Sqm	1730.47			
	Tender Qty	Sqm	1730.35			
	Now to be paid	Sqm	1730.47			
	Quantity Limited To	Sqm	1730.35	72.08	124723.63	
				Sub Total	7608224.41	
				Add GST @12%	912986.93	
				Add KRIDL @ 4%	304328.98	
				TOTAL AMOUNT	8825540.32	

CIVIL Pro Sig Date PMC BANGALORE

AssistantEngineer

A.E.E Assistant Executive Engineer

Contractor